

Mech at a Glance

(E-NEWS LETTER)

HALF YEARLY MAGAZINE

July- December 2018

MECHANICAL ENGINEERING DEPARTMENT
GOVERNMENT ENGINEERING COLLEGE PALANPUR



Government of Gujarat

GOVERNMENT ENGINEERING COLLEGE PALANPUR

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Editorial Board

Prof. A B Patel,
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Contact us

Mechanical Engineering Department
Government Engineering College, Palanpur
Jagana, Palanpur-Ahmedabad highway,
Palanpur – 385011,
Gujarat, India

Vision and Mission of Institute

VISION

“To be a leading technical institute facilitating transformation of human resources into socially responsible engineering professionals for sustainable development”

MISSION

- (1) To achieve academic excellence by developing state-of-the-art laboratories and academic infrastructure.
- (2) To create an ecosystem that promote value based technical education, innovation and entrepreneurship for sustainable development.
- (3) To contribute to industry and society by providing technical and consultancy services.
- (4) To enhance technical competencies of human resources by providing need base trainings and quality improvement programs.

Vision and Mission of Department

VISION

"To produce competent mechanical engineers to fulfil needs of society for sustainable development"

MISSION

- (1) To impart quality technical education in Mechanical Engineering with professional skills.
- (2) To develop linkages with industry for exposure about real life problems and its feasible solution.
- (3) To promote lifelong learning, Innovation and entrepreneurship for sustainable development.
- (4) To assimilate social, cultural and ethical values for betterment of society.

From the Desk of Head of the Department

Mechanical Engineering is the comprehensive discipline in engineering which involves Design, Production, Thermal, Maintenance, and Managerial Skill. The Department is well equipped with all latest equipment and instruments that prepares students for a broad range of careers choice in Industry, Academic Institution, and Government/Private Service sector and also as Entrepreneur. The department is also having latest software for enhancing knowledge and skills for sustainable development. Faculties and Supporting Staff are well qualified and expert in their area of work and dedicated to assigned task. Participation of Mechanical Engineering faculty in various training programs and conferences was the most encouraging factor, which we want to continue in coming years also. Through periodic seminars, workshops and industrial visits as integral parts of the course, the student was equipped with technical knowledge, critical thinking skills and creativity to excel in the engineering profession.

The mechanical engineering department is committed to create compassionate atmosphere for the development of young brains into bright professionals of future.



Faculties of Department (As on December 2018)

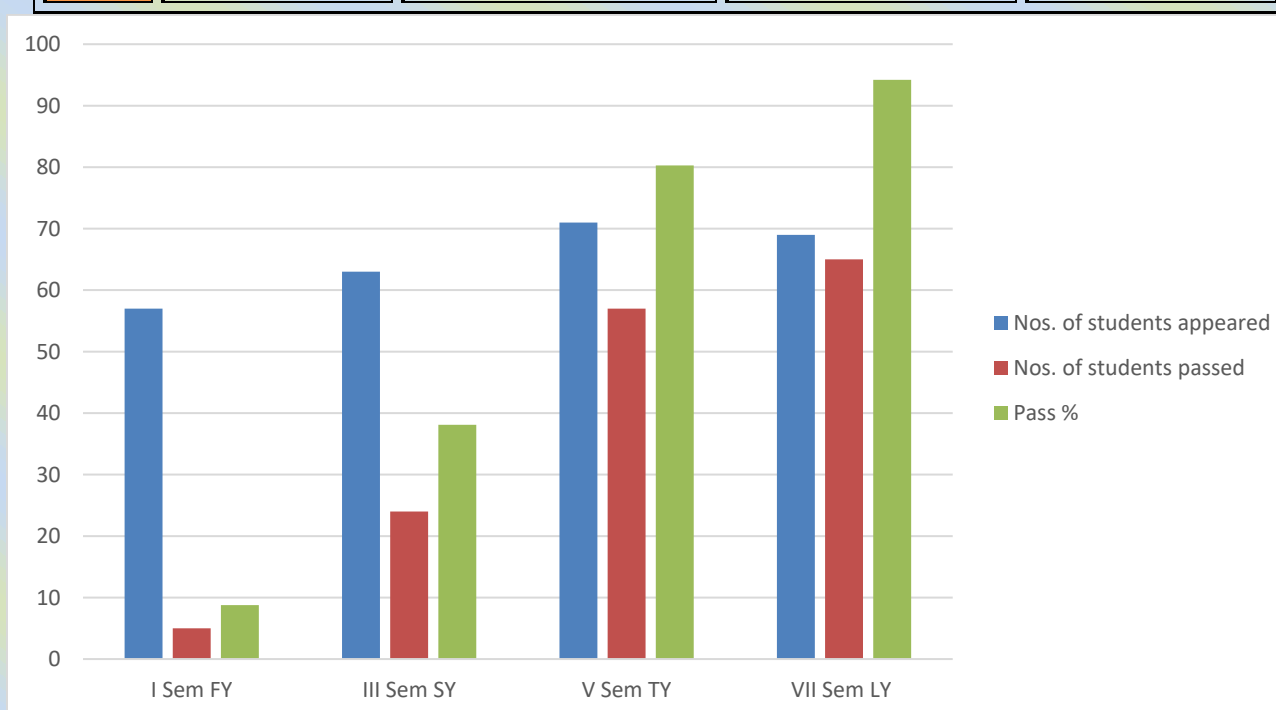
Sr. No.	Name of Faculty	Designation	Area of Work	Teaching Experience (Years)
1	Prof. (Dr.) K B Judal	Principal & Professor	Computer aided Design and Manufacturing Unconventional Manufacturing Process	18
2	Prof. (Dr.) J A Vadher	Professor & Head	Production, Industrial, Automation	20.5
3	Prof. A B Patel	Assistant Professor	Thermal Engineering	17
4	Prof. V.D.Patel	Assistant Professor	Thermal Science	17
5	Prof. N. A. PATEL	Assistant Professor	CAD/CAM	14
6	Prof. K. V. Patel	Assistant Professor	Machine Design	13
7	Prof. A. D. PATEL	Assistant Professor	Machine Design	15
8	Prof. A. R. Chaudhari	Assistant Professor	Machine Design	11
9	Prof. P. N. BOKA	Assistant Professor	Design Engineering	13
10	Prof. A.K.Patel	Assistant Professor	Advance Manufacturing Techniques	11
11	Prof. N.T.Raval	Assistant Professor	CAD/CAM	5

Innovative Practice in Teaching-learning/Assessment Process

Sr. No.	Methodology	Related Subject	Class	Name Of Staff
1	Topic was given to Individual student for power point presentation to enhance his communication skill	Automobile Engineering	7 th sem	Prof.A.D.Patel
2	Different value of pressure was assigned for problem related to steam nozzle, so student have to solve the problem individually by using steam table and Mollier Diagram.	Power Plant Engineering	7 th sem	Prof.A.B.Patel

Result Analysis

Winter - 2018		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	57	5	8.77
SY	III Sem	63	24	38.10
TY	V Sem	71	57	80.28
LY	VII Sem	69	65	94.20



Topper of winter 2018 GTU Exam

1st Semester

Sr. No	Enrollment No	Name	SPI
1	180610119056	SINGH ROHANKUMAR AJAYKUMAR	7.76
2	180610119047	PATEL YASH AMRUTBHAI	6.24
3	180610119019	LIMBACHIYA KUNJAN JAYESHKUMAR	6.06

3rd Semester

Sr. No	Enrollment No	Name	SPI
1	170610119014	HASHMI MOH HARIS RIYAZ ASLAM	7.97
2	170610119053	RUPESH KUMAR SINGH	7.82
3	180613119002	CHANDRABHUSHAN KUSHWAHA	7.82

5th Semester

Sr. No	Enrollment No	Name	SPI
1	160610119047	PUWAR JAYSINH BHAGAVATSINH	8.71
2	160610119027	PANCHAL JAY PARESHBHAI	8.58
3	160610119041	PRAJAPATI PRAVINKUMAR BABULAL	8.52

7th Semester

Sr. No	Enrollment No	Name	SPI
1	150610119021	GEHLOT JITENDRAKUMAR MAKNABHAI	8.63
2	150610119056	RAJPUT UMANG LAKHVEERSINGH	8.60
3	150610119057	RAMI KULDEEP KAMLESHKUMAR	8.60

Training attended by Student

Sr. No	Name of Industry	Date	Duration	No. of Student
1	Oil and Natural Gas Corporation Ltd, Ankleshwar	20/6/2018	3 week	1
2	TANU MOTORS PVT. LTD.	4/11/2018	2 week	1

Faculty/staff training/seminar/conferences attended

Sr. No	Name of Faculty	Training	Name of Institute/Organizer	Duration	
				From	To
1	Prof.V.D.Patel	Solar Thermal Technologies For Future Of India	GEC, PATAN	23-07-2018	27-07-2018
2	Prof.A.B.Patel	DTE approved One Week Short Term Training Program on “Advances of Refrigeration and Air-conditioning”	L.D. College of Engineering, Ahmedabad	08-10-2018	12-10-2018
3	Prof.A.D.Patel	7 days FDP for student Induction program	GTU, Ahmedabad	30-06-2018	06-07-2018
4	Prof.P.N.Boka	Application of Matlab in Mechanical Engineering Analysis	IIT RAM, Ahmedabad	02-07-2018	06-07-2018
5	Prof.A.K.Patel	Advances in Nano Technology	NITTTR, Ext. Centre, Ahmedabad	09-07-2018	13-07-2018

Research Publications

International Journal publications:

1. **Empirical Relation of Raw Material and Fuel consumption in Steel Re-Rolling Mills**, International Journal of modern trends in Engineering and Research, ISSN(Online) 23499745, ISSN Print: 23938161, Volume -5, Issue: 2, Feb-2018, page:173-176. Impact Factor 5.278. Prof. (Dr.) J A Vadher
2. **Ketual Brahmhatt and K. B. Judal (2018), State of Arts: Tribological Properties of Composite materials**”, International Journal of Advanced Research in Science, Engineering and Technology Vol. 5, Issue 6 , June 2018, ISSN: 2350-0328.
3. **Nehal I. Joshi, K. B. Judal and Ashish M. Desai (2018), “Fabrication of Aluminum Based Hybrid Metal Matrix Composite Using Stircasting Technique”**, JASC: Journal of Applied Science and Computations, Volume V, Issue XII, pp 666-672. ISSN NO: 1076-5131.

Department Activities

Finishing School

It is an Employability Enhancement Initiative of the Education Department, Government of Gujarat for imparting training on Skill development for students of Higher and Technical Education to make them Industry-ready.

There is a need for a finishing school for the students of all the colleges to prepare them for the corporate world so that they secure jobs in industry.

Name of training	Industry providing training	Start Date	End Date	Number of students
Finishing School Program First Phase of 25 hours Batch 12	KCG, GoG	2/07/2018	7/07/2018	36
Finishing School Program second Phase of 25 hours	KCG, GoG	8/10/2018	12/10/2018	36

Sr.No	Institute/ Industry	Expert Name	Topic	Duration
1	R D Creation	Mr. Jigar Joshi R D Creation	Prevention against Hacking and Cyber-attack in present scenario	25-07-2018 To 26-07-2018

Industrial Visit

Sr. No.	Name of Industry	Day	Semester
1	College of Renewable Energy & Environmental Engg.,SDAU, Dantiwada	03-07-18	8
2	Costal Gujarat Power Ltd., Mundra, Kutch, Gujarat	10-09-18	7
3	Vasant Fabricators Pvt. Ltd.	28-9-18	5 & 7
4	Wanakbori Thermal Power Station, Wanakbori, Kheda, Gujarat	13-10-18	7